

FORM PTO-1449 (Modified)

ATTY. DOCKET NO.
24601-402FSERIAL NO.
09/724,872LIST OF PATENTS AND PUBLICATIONS FOR
APPLICANT'S INFORMATION DISCLOSURE
STATEMENTAPPLICANT
HADLACZKY *et al.*FILING DATE
November 28, 2000GROUP
1638

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUB CLASS	FILING DATE
<i>gh</i>	A	4	6	5	6	1	3	4	04/07/87	Ringold	435	91	04/12/85

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUB CLASS	Translation

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>gh</i>	B	Ascenzioni <i>et al.</i> , "Mammalian artificial chromosomes-vectors for somatic gene therapy", <i>Cancer Lett.</i> , 118:135-142 (1997)
<i>gh</i>	C	Hadlaczkzy, "Satellite DNA-based artificial chromosomes for use in gene therapy", <i>Curr. Opin. Mol. Ther.</i> , 3:125-132 (2001)
<i>gh</i>	D	Saffery and Choo, "Strategies for engineering human chromosomes with therapeutic potential", <i>J. Gene Med.</i> , 4:5-13 (2002)

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SEP 06 2002

DR. GEORGIA HELMER

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DATE CONSIDERED

TECH CENTER 1600/2900

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Title: **ARTIFICIAL CHROMOSOMES, USES THEREOF AND METHODS FOR PREPARING ARTIFICIAL CHROMOSOMES**

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FORM PTO-1449 (Modified)



ATTY. DOCKET NO.
24601-402F

SERIAL NO.
09/724,872

LIST OF PATENTS AND PUBLICATIONS FOR
APPLICANT'S INFORMATION AND DISCLOSURE
STATEMENT

APPLICANT
Hadlaczky, *et al.*

FILING DATE
November 28, 2000

GROUP
1632

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER								DATE	NAME	CLASS	SUB CLASS	FILING DATE
<i>gh</i>	A	0	0	0	8	0	2	5		07/12/01	Hadlaczky et al.	800	8	06/12/98

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER								DATE	COUNTRY	CLASS	SUB CLASS	Translation Yes No	

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

DR. GEORGIA HELMER

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10/20/02 ✓
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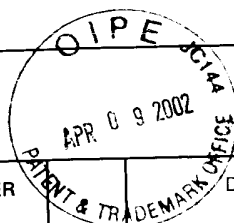
September 14, 2001

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE
gfh	A 5 0 8 1 0 1 8	01/14/92	Grummt et al.	435	69.1	02/13/91

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	Translation Yes No
gfh	B 9 8 1 3 5 0 5	04/02/98	PCT	C12N 15	82	

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

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DR. GEORGIA HELMER

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10/28/02

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April 5, 2002

FORM PTO-1449 (Modified)	ATTY. DOCKET NO. 24601-402F	SERIAL NO. 09/724,872
	APPLICANT Hadlaczký, <i>et al.</i>	
	FILING DATE November 28, 2000	GROUP 1632

LIST OF PATENTS AND PUBLICATIONS FOR
APPLICANT'S INFORMATION DISCLOSURE
STATEMENT

U.S. PATENT DOCUMENTS

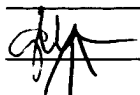
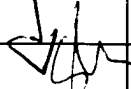
EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUB CLASS	FILING DATE
<i>gh</i>	A	4	4	4	1	9	7	2	4/10/84	Pohl,	204	180	4/8/83
<i>gh</i>	B	4	4	7	6	0	0	4	10/09/84	Pohl,	204	299	10/26/83
	C	4	5	1	8	5	8	4	5/21/85	Mark <i>et al.</i>	424	85	12/20/83
	D	4	6	0	8	3	3	9	8/26/86	Yoakum <i>et al.</i>	435	172.2	10/25/83
	E	4	6	8	4	6	1	1	8/4/87	Schilperoort <i>et al.</i>	435	172.3	7/29/85
	F	4	6	8	6	1	8	6	8/11/87	Sugden	435	243	9/26/84
	G	4	7	8	4	7	3	7	11/15/88	Ray <i>et al.</i>	204	180.1	4/18/86
	H	4	8	0	6	4	7	6	2/21/89	Coons <i>et al.</i>	435	172.2	8/13/85
	I	4	8	7	3	1	9	1	10/10/89	Wagner <i>et al.</i>	435	172.3	8/18/86
	J	4	8	7	3	3	1	6	10/10/89	Meade, <i>et al.</i>	530	412	6/23/87
	K	4	9	0	6	5	7	6	3/06/90	Marshall, III	435	287	5/8/87
	L	4	9	2	3	8	1	4	5/8/90	Marshall, III	435	173	4/26/89
	M	4	9	3	5	3	5	0	6/19/90	Patel <i>et al.</i>	435	69.4	11/18/85
	N	4	9	4	6	9	5	2	8/7/90	Kiefer	536	27	4/1/88
	O	4	9	5	5	3	7	8	9/11/90	Grasso	128	421	1/17/89
	P	4	9	7	0	1	6	2	11/13/90	Aksamit	435	240.26	11/13/85
	Q	4	9	9	7	7	6	4	3/5/91	Dalla Favera	435	240.27	4/23/87
	R	5	0	1	9	0	3	4	5/28/91	Weaver <i>et al.</i>	604	20	3/20/89
	S	5	0	2	1	3	4	4	6/4/91	Armau <i>et al.</i>	435	172.3	8/30/85
	T	5	0	6	3	1	6	2	11/5/91	Kiefer	435	270	5/9/90
	U	5	1	1	8	6	2	0	6/2/92	Armau <i>et al.</i>	435	172.3	3/1/91
	V	5	1	4	4	0	1	9	9/1/92	Rossi <i>et al.</i>	536	27	6/21/89
	W	5	1	4	9	7	9	6	9/22/92	Rossi <i>et al.</i>	536	27	4/30/91
<i>gh</i>	X	5	1	6	2	2	1	5	11/10/92	Bosselman <i>et al.</i>	435	172.3	9/22/88
<i>gh</i>	Y	5	2	1	5	9	1	4	6/1/93	Lo <i>et al.</i>	435	253.1	12/2/91

EXAMINER **DR. GEORGIA HELMER** | DATE CONSIDERED *11/25/02*

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 (Modified)	ATTY. DOCKET NO. 24601-402F	SERIAL NO. 09/724,872
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	APPLICANT Hadlaczky, <i>et al.</i>	
	FILING DATE November 28, 2000	GROUP 1632

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUB CLASS	FILING DATE
	Z	5	2	2	3	2	6	3	6/29/93	Hostetler <i>et al.</i>	424	4450	6/28/89
	AA	5	2	4	0	8	4	0	8/31/93	Feinberg <i>et al.</i>	435	172.3	4/5/91
	AB	5	2	4	0	8	4	6	8/31/93	Collins <i>et al.</i>	435	240.1	9/18/90
	AC	5	2	6	0	1	9	1	11/9/93	Yang	435	6	1/30/92
	AD	5	2	6	6	6	0	0	11/30/93	Tenmyo <i>et al.</i>	514	691	10/30/92
	AE	5	2	7	2	2	6	2	12/21/93	Rossi <i>et al.</i>	536	23.2	10/19/90
	AF	5	2	8	8	6	2	5	2/22/94	Hadlaczky	435	172.2	9/13/91
	AG	5	2	9	2	6	5	8	3/8/94	Cormier <i>et al.</i>	435	252.33	6/17/93
	AH	5	2	9	8	4	2	9	3/29/94	Evans <i>et al.</i>	436	501	12/10/91
	AI	5	3	0	0	4	3	1	4/5/94	Pierce <i>et al.</i>	435	172.3	2/26/91
	AJ	5	3	2	4	6	5	5	6/28/94	Kriegler <i>et al.</i>	435	240.2	2/18/92
	AK	5	3	5	4	6	7	4	10/11/94	Hodgson	435	172.3	10/29/92
	AL	5	3	5	8	8	6	6	10/25/94	Mullen <i>et al.</i>	435	240.2	7/3/91
	AM	5	3	6	4	7	6	1	11/15/94	Ariga	435	6	11/5/92
**	AN	5	3	8	7	7	4	2	02/07/95	Cordell	800	2	06/17/91
	AO	5	3	9	6	7	6	7	3/14/95	Suzuki	60	298	2/8/93
	AP	5	4	0	9	8	1	0	4/25/95	Larder <i>et al.</i>	435	5	12/1/92
	AQ	5	4	1	3	9	1	4	5/9/95	Franzussoff	435	23	7/7/93
	AR	5	4	1	8	1	5	5	5/23/95	Cormier <i>et al.</i>	435	189	12/14/93
	AS	5	4	2	4	4	0	9	6/13/95	Ely <i>et al.</i>	536	23.71	9/29/89
	AT	5	4	3	4	0	8	6	7/18/95	Collins <i>et al.</i>	436	125	12/9/93
**	AU	5	4	3	4	3	4	0	07/18/95	Krimpenfort <i>et al.</i>	800	2	07/27/92
	AV	5	4	3	6	3	9	2	7/25/95	Thomas <i>et al.</i>	800	205	12/21/92
	AW	5	4	4	9	6	0	4	9/12/95	Schellenberg <i>et al.</i>	435	6	10/21/92
	AX	5	4	5	3	3	5	7	9/26/95	Hogan	435	7.21	10/8/92

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STATEMENTAPPLICANT
Hadlaczký, *et al.*FILING DATE
November 28, 2000GROUP
1632

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUB CLASS	FILING DATE
<i>gh</i>	AY	5	4	5	7	1	8	2	10/10/95	Weiderrecht <i>et al.</i>	530	402	2/15/94
	AZ	5	4	6	1	0	3	2	10/24/95	Krapcho <i>et al.</i>	514	12	3/18/94
	BA	5	4	6	8	6	1	5	11/21/95	Chio <i>et al.</i>	435	7.2	7/1/93
	BB	5	4	6	8	6	3	4	11/21/95	Liu	435	240.2	1/13/95
	BC	5	4	7	0	7	0	8	11/28/95	Yang <i>et al.</i>	435	6	4/2/93
	BD	5	4	7	0	7	3	0	11/28/95	Greenberg <i>et al.</i>	435	172.3	8/8/94
	BE	5	4	8	2	9	2	8	1/9/96	De Bolle <i>et al.</i>	514	12	3/10/92
	BF	5	4	8	9	5	2	0	2/6/96	Adams <i>et al.</i>	435	172.3	4/26/94
	BG	5	4	9	1	0	7	5	2/13/96	Desnick <i>et al.</i>	435	69.7	6/17/94
**	BH	5	4	9	1	2	8	3	02/13/96	Groffen <i>et al.</i>	800	2	01/14/93
	BI	5	4	9	6	7	3	1	3/5/96	Xu <i>et al.</i>	435	320.1	3/25/93
	BJ	5	5	0	1	6	6	2	3/26/96	Hofmann	604	20	9/12/94
	BK	5	5	0	1	9	6	7	3/26/96	Offringa <i>et al.</i>	435	172.3	7/6/93
	BL	5	5	0	3	9	9	9	4/2/96	Jilka <i>et al.</i>	435	172.3	1/3/95
	BM	5	5	4	3	3	1	9	08/06/96	Fournier <i>et al.</i>	415	354	03/31/95
**	BN	5	7	1	2	1	3	4	01/27/98	Hadlaczký	435	465	1/19/95
	BO	5	7	2	1	1	1	8	02/24/98	Scheffler	435	69.1	10/29/96
**	BP	5	8	9	1	6	9	1	04/06/99	Hadlaczký	435	465	10/21/96
	BQ	6	0	2	5	1	5	5	02/15/00	Hadlaczký <i>et al.</i>	435	69.1	08/07/96
	BR	6	0	7	7	6	9	7	06/20/00	Hadlaczký <i>et al.</i>	435	6	07/15/96
**	BS	6	1	3	3	5	0	3	10/17/00	Scheffler	800	21	02/17/98

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													Yes	No
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	BU	0	2	5	4	3	1	5	1/27/88	EP A2	--	--		
	BV	0	2	5	4	3	1	5	1/17/88	EP A3	--	--		
	BW	0	2	5	4	3	1	5	1/27/88	EP B1	--	--		
	BX	0	3	5	0	0	5	2	1/10/90	EP	A01K 67	02		
	BY	0	3	7	5	4	0	6	6/27/90	EP A2	--	--		
	BZ	0	3	7	5	4	0	6	6/27/90	EP	A01K 67	027		
	CA	0	4	7	3	2	5	3	3/4/92	EP	C12N 15	85		
	CB	0	5	3	2	0	5	0	9/14/92	EP A2	--	--		
	CC	9	1	0	0	3	5	8	1/10/91	PCT	C12N 15	87		
	CD	9	2	1	4	8	1	9	9/3/92	PCT	--	--		
	CE	9	2	1	7	5	8	2	10/15/92	PCT	--	--		
**	CF	9	3	2	5	5	6	7	12/23/93	PCT	--	--		
	CG	9	4	1	9	4	5	6	9/1/94	PCT	C12N 5	0.00		
	CH	9	4	2	3	0	4	9	10/13/94	PCT	--	--		
	CI	9	4	2	4	3	0	0	10/27/94	PCT	--	--		X
	CJ	9	5	0	0	1	7	8	1/5/95	PCT	A61K 48	0.00		
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	CM	9	5	2	0	0	4	4	7/27/95	PCT	C12N	15		
	CN	9	5	2	9	9	9	2	11/9/95	PCT	--	--		
	CO	9	5	3	2	2	9	7	11/30/95	PCT	--	--		
	CP	9	6	4	0	9	6	5	12/19/96	PCT	--	--		
✓	CQ	9	7	0	7	6	6	8	03/06/97	PCT	--	--		
	CR	9	7	0	7	6	6	9	03/06/97	PCT	--	--		

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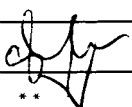
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May 25, 2001

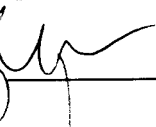
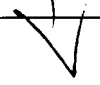
FORM PTO-1449 (Modified)	ATTY. DOCKET NO. 24601-402F	SERIAL NO. 09/724,872
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	CS	9	7	1	6	5	3	3	05/09/97	PCT	--	--		
**	CT	9	7	4	0	1	8	3	10/30/97	PCT	--	--		

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	CU	"Guide to Techniques in Mouse Development", <i>Methods in Enzymology</i> 25:803-932, (1993).
	CV	"Transfection of DNA into eukaryotic cells", <i>Current Protocols in Molecular Biology</i> , Vol. 1, Wiley Inter-Science, Supplement 14, Unit 9.1.1-9.1.9, (1990).
	CW	"Why are MACs in vogue", <i>Chromos Molecular Systems - News Release</i> (May 29, 1996), (available at http://www.chromos.com/contents.html)
	CX	Albrecht, <i>et al.</i> , "Cationic lipid mediated tranfer of c-abl and bcr antisense oligonucleotides to immature normal myeloid cells: Uptake, biological effects and modulation of gene expression*", <i>Ann Hematol</i> 72:73-79, (1996).
	CY	Baker, <i>et al.</i> , "Suppression of human colorectal carcinoma cell growth by wild-type p53", <i>Science</i> 249:912-915, (1990).
	CZ	Barnett <i>et al.</i> , Telomere directed fragmentation of mammalian chromosomes, <i>Nucleic Acids Res.</i> 21 (1): 27-36 (1993)
	DA	Bartholdi, <i>et al.</i> , Chromosome sorting by flow cytometry, <i>Meth. Enzy.</i> , 151:253-267, 1987
	DB	Beck von Bodman, <i>et al.</i> , "Expression of multiple eukaryotic cells from a single promoter," in <i>Nicotina, Bio/Technology</i> 13:587-591, (1995).
	DC	Biggin, <i>et al.</i> , "Buffer gradient gels and ³⁵ S label as an aid to rapid DNA sequence determination", <i>Proc. Natl. Acad. Sci. USA</i> , 80:3963-3965, (1983).
	DD	Blackburn, <i>et al.</i> , "The molecular structure of centromeres and telomeres", <i>Ann. Rev. Biochem.</i> , 53:163-194, (1984).
	DE	Blattner, <i>et al.</i> , "Charon phages: Safer derivatives of bacteriophage lambda for DNA cloning", <i>Science</i> 196:16, (1977).

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MAY 30 2001
TECH CENTER 1600/2900

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

gh	DF	Blennow, <i>et al.</i> , Swedish survey on extra structurally abnormal chromosomes in 39 105 consecutive prenatal diagnoses: Prevalence and characterization by fluorescence <i>in situ</i> hybridization, <u>Prenatal Diagnosis</u> , 14:1019-1028, 1994
g	DG	Blumenthal, <i>et al.</i> , Rapid isolation of metaphase chromosome containing high molecular weight DNA, <u>J. Cell Biol.</u> , 81:255-259, 1979
	DH	Bostock and Clark, "Satellite DNA in large marker chromosomes of methotrexate-resistant mouse cells", <u>Cell</u> 19: 709-715, (1980).
	DI	Bostock and Christie, "Analysis of the frequency of sister chromatid exchange in different regions of chromosomes of the Kangaroo rat," (<i>Dipodomys ordii</i>), <u>Chromosoma</u> 56: 275-287, (1976).
	DJ	Bower, "Constructing a fully defined human minichromosome: Cloning a centromere", <u>Proc. 4th Eur. Congress Biotechnol.</u> 3:571, (1987).
	DK	Brazolot, <i>et al.</i> , "Efficient transfection of chicken cells by lipofection and introduction of transfected blastoderm cells into the embryo", <u>Mol. Repro. Dev.</u> 30:304-312, (1993).
	DL	Brewer and Fangman, "The localization of replication origins on ARS plasmids", in <u>S. cerevisiae</u> , <u>Cell</u> 51:463-471, (1987).
**	DM	Brinster <i>et al.</i> , Factors affecting the efficiency of introducing foreign DNA into mice by microinjecting eggs, <u>Proc. Natl. Acad. Sci. USA</u> 82:4438-4442 (1985).
	DN	Brisson and Hohn, "[27] Plant virus vectors: Cauliflower mosaic vectors", <u>Methods for Plant Molecular Biology</u> , Weissbach <i>et al.</i> , eds., Academic Press, N.Y., Section VIII, pp. 437-446, (1988).
	DO	Brondum-Nielsen and Mikkelsen, A 10-year survey, 1980-1990, of prenatally diagnosed small supernumerary marker chromosomes, indentified by fish analysis. Outcome and follow-up of 14 cases diagnosed in a series of 12 699 prenatal samples, <u>Prenatal Diagnosis</u> , 15:615-619, 1995
**	DP	Brown <i>et al.</i> , Artificial chromosomes: ideal vectors? <u>TIBTECH</u> 18:218-223 (May, 2000).
	DQ	Brown <i>et al.</i> , Mammalian artificial chromosomes, <u>Current Opinion: Genetics and Devt.</u> 6: 281-288 (1996).
	DR	Brown, "Mammalian artificial chromosomes", <u>Curr. Opin. Genes Dev.</u> 2:479-486, (1992).
* ✓	DS	Bühler <i>et al.</i> , Rabbit β -Casein Promoter Directs Secretion of Human Interleukin-2 into the Milk of Transgenic Rabbits, <u>Bio/Technology</u> 8:140-143 (1990).

DR. GEORGIA HELMER

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10/28/02

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May 25, 2001

FORM PTO-1449 (Modified)	ATTY. DOCKET NO. 24601-402F	SERIAL NO. 09/724,872
	APPLICANT Hadlaczký, <i>et al.</i>	
	FILING DATE November 28, 2000	GROUP 1632

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APPLICANT'S INFORMATION DISCLOSURE
STATEMENT

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ga	DT	Bullock and Botchan, "Molecular events in the excision of SV40 DNA from the chromosomes of cultured mammalian cells," In: <i>Gene Amplification</i> , Schimke RT, ed. Cold Spring Harbor, NY: Cold Spring Harbor Laboratory Press, pp 215-224, (1982).
	DU	Burhans and Huberman, "DNA replication origins in animal cells - a question of context?" <i>Science</i> 263: 639-640, (1994).
	DV	Burhans <i>et al.</i> , "Identification of an origin of bidirectional DNA replication in mammalian chromosomes", <i>Cell</i> 62:955-965, (1990).
	DW	Burke, <i>et al.</i> , "Cloning of large segments of exogenous DNA into yeast by means of artificial chromosome vectors", <i>Science</i> , 236:806-812, (1987).
	DX	Burki, <i>et al.</i> , Zonal fractionation of mammalian metaphase chromosomes and determination of their DNA content, <i>Prep. Bioch.</i> , 3(2):157-182, 1973
**	DY	Calos, M.P., The Potential of Extrachromosomal Replicating Vectors for Gene Therapy, <i>TIG</i> 12(11):463-66 (1996).
	DZ	Carine, <i>et al.</i> , "Chinese hamster cells with a minichromosome containing centromere region of human chromosome 1", <i>Somatic Cell Molec. Genet.</i> 12:479-491, (1986).
	EA	Carine, <i>et al.</i> , "Molecular characterization of human minichromosomes with centromere from chromosome 1 in hamster-human hybrids", <i>Somatic Cell Molec. Genet.</i> 15(5):445-460, (1989).
	EB	Carrano and Wolff, "Distribution of sister chromatid exchanges in the euchromatin and heterochromatin of the Indian muntjac", <i>Chromosoma</i> 53:361-369, (1975).
	EC	Carrano, <i>et al.</i> , Measurement and purification of human chromosomes by flow cytometry and sorting, <i>Proc. Natl. Acad. Sci. USA</i> , 76(3):1382-1384, 1979
	ED	Carsience, <i>et al.</i> , "Germline chimeric chickens from dispersed donor blastodermal cells and compromised recipient embryos", <i>Develop</i> 117:669-675, (1993).
	EE	Chalfie, <i>et al.</i> , "Green fluorescent protein as a marker for gene expression", <i>Science</i> 263:802-804, (1994).
	EF	Chang, <i>et al.</i> , "Ribozyme-mediated site-specific cleavage of the HIV-1 genome", <i>Clin. Biotech.</i> 2:23-31, (1990).
	EG	Chen, <i>et al.</i> , "Genetic mechanism of tumor suppression by the human p53 gene", <i>Science</i> 250:1576, (1990).
✓	EH	Chen, <i>et al.</i> , "High-efficiency transformation of mammalian cells by plasmid DNA", <i>Mol. Cell. Biol.</i> 7:2745-2752, (1987).

DR. GEORGIA HELMEF

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May 25, 2001

FORM PTO-1449 (Modified)	ATTY. DOCKET NO. 24601-402F	SERIAL NO. 09/724,872
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	APPLICANT Hadlaczký, <i>et al.</i>	
	FILING DATE November 28, 2000	GROUP 1632

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sh	EI	Chick, <i>et al.</i> , "Beta cell culture on synthetic capillaries: an artificial endocrine pancreas", Elliot P. Joslin Research Laboratory, Harvard Medical School, p. 847-849, (1975).
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	EK	Chisari <i>et al.</i> , A transgenic mouse model of the chronic hepatitis B surface antigen carrier state, <i>Science</i> 230: 1157-1160 (1985).
**	EL	Choo, K.H.A., Turning on the centromere, <i>Nature Genetics</i> 18: 3-4 (1998).
	EM	Church, "Replication of chromatin in mouse mammary epithelial cells grown <i>in vitro</i> ", <i>Genetics</i> 52: 843-849, (1965).
	EN	Clarke, <i>et al.</i> , "The structure and function of yeast centromeres", <i>Ann. Rev. Genet.</i> 19:29-56, (1985).
	EO	Coffman, <i>et al.</i> , <i>In Vitro</i> replication of plasmids containing human ribosomal gene sequences: Origin localization and dependence on an aprotinin-binding cytosolic protein, <i>Exp. Cell Resh.</i> , 209:123-132, 1993
	EP	Colbère-Garapin, <i>et al.</i> , "A new dominant hybrid selective marker for higher eukaryotic cells", <i>J. Mol. Biol.</i> 150:1-14, (1981).
	EQ	Collard, <i>et al.</i> , Separation and analysis of human chromosomes by combined velocity sedimentation and flow sorting applying single- and dual-laser flow cytometry, <i>Cytometry</i> , 5:9-19, 1984
	ER	Collins and Newlon, "Chromosomal DNA replication initiates at the same origins in meiosis and mitosis", <i>Mol Cell Biol</i> 14:3524-3534, (1994).
	ES	Conte <i>et al.</i> , Characterization of two extreme variants involving the short arm of chromosome 22: are they identical?, <i>Variant Chromosome</i> 40(3):145-149 (1997).
	ET	Cooke, Non-programmed and engineered chromosome breakage, <i>Cold Spring Harbor Monograph Series</i> 29: 219-245 (1995)
	EU	Cooper and Tyler-Smith, "The putative centromere-forming sequence of λ CM8 is a single copy sequence and is not a component of most human centromeres", <i>Hum. Mol. Gen.</i> 1(9):753-754, (1992).
	EV	Couto, <i>et al.</i> , "Inhibition of intracellular <i>histoplasma capsulatum</i> replication by murine macrophages that produce human defensin", <i>Infect. Immun.</i> 62:2375-2378, (1994).
V	EW	Cram, <i>et al.</i> , "Polyamine buffer for bivariate human flow cytogenetic analysis and sorting", <i>Methods in Cell Biology</i> 33:377-382, (1990).

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May 25, 2001

FORM PTO-1449 (Modified)	ATTY. DOCKET NO. 24601-402F	SERIAL NO. 09/724,872
	APPLICANT Hadlaczký, <i>et al.</i>	
	FILING DATE November 28, 2000	GROUP 1632

LIST OF PATENTS AND PUBLICATIONS FOR
APPLICANT'S INFORMATION DISCLOSURE
STATEMENT

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	EY	Cram, <i>et al.</i> , Univariate analysis of metaphase chromosomes using the hypotonic potassium chloride-propidium iodide protocol, <u>Meth. Cell Biol.</u> , <u>33</u> :369-376, 1990
	EZ	Cross <i>et al.</i> , The structure of subterminal repeated sequence present on many human chromosomes, <u>Nucleic Acids Res.</u> <u>18</u> (22): 6649 - 6657 (1990)
**	FA	Crystal, R.G., Transfer of Genes to Humans: Early Lessons and Obstacles to Success, <u>Science</u> <u>270</u> :404-410 (1995).
	FB	Current state of the art, <u>Chromos Molecular Systems - News Release</u> (May 29, 1996) (available at http://www.chromos.com/contents.html)
	FC	Cuthbert <i>et al.</i> , Construction and characterization of a highly stable human:rodent monochromosomal hybrid panel for genetic complementation and genome mapping studies, <u>Cytogenet Cell Genet</u> <u>71</u> :68-76 (1995).
	FD	Cutler, "Electroporation: Being developed to transform crops", <u>Ag Biotechnology News</u> <u>7</u> :3, (September/October 1990).
	FE	Davidson, <i>et al.</i> , "Improved techniques for the induction of mammalian cell hybridisation by polyethylene glycol", <u>Somatic Cell. Genet.</u> <u>2</u> :165-176, (1976).
	FF	Dean, <i>et al.</i> , "Multiple mutations in highly conserved residues are found in mildly affected cystic fibrosis patients", <u>Cell</u> <u>61</u> :863-870, (1990).
	FG	DePamphilis, "Eukaryotic DNA replication: Anatomy of an origin", <u>Annu. Rev. Biochem.</u> <u>62</u> :29-63, (1993).
	FH	Depinet <i>et al.</i> , Characterization of neo-centromeres in marker chromosomes lacking detectable alpha-satellite DNA, <u>Human Molecular Genetics</u> <u>6</u> (8):1195-1204 (1997).
	FI	Dhar, <i>et al.</i> , "Transfer of Chinese Hamster Chromosome 1 to Mouse Cells and Regional Assignment of 7 Genes: A Combination of Gene Transfer and Microcell Fusion", <u>Somatic Cell and Molecular Genetics</u> , <u>10</u> :(6)547-559, (1984).
**	FJ	Dickson <i>et al.</i> , Human ribosomal DNA: conserved sequence elements in a 4.3-kb region downstream from the transcription unit, <u>Gene</u> <u>84</u> :197-200 (1989)
	FK	Dieken, <i>et al.</i> , "Efficient modification of human chromosomal alleles using recombination-proficient chicken/human microcell hybrids", <u>Nature Genet.</u> <u>12</u> :174-182, (1996).
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May 25, 2001

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	APPLICANT Hadlaczy, <i>et al.</i>	
	FILING DATE November 28, 2000	GROUP 1632

LIST OF PATENTS AND PUBLICATIONS FOR
APPLICANT'S INFORMATION DISCLOSURE
STATEMENT

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***	FN	Ebert <i>et al.</i> , Transgenic Production of a Variant of Human Tissue-type Plasminogen Activator in Goat Milk: Generation of Transgenic Goats and Analysis of Expression, <i>Bio/Technology</i> 9:835-838 (1991).
	FO	Eissenberg and Elgin, Boundary functions in the control of gene expression, <i>Trends in Genet.</i> , 7(10):335-340, 1991
	FP	Erllich, <i>et al.</i> , "Recent advances in the polymerase chain reaction", <i>Science</i> 252:1643-1651, (1991).
	FQ	Etches, <i>et al.</i> , "Chimeric chickens and their use in manipulation of the chicken genome", <i>Poultry Sci.</i> 72:882-889, (1993).
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	FT	Fangman and Brewer, "A question of time: replication origins of eukaryotic chromosomes", <i>Cell</i> 71: 363-366, (1992).
	FU	Farr, <i>et al.</i> , "Generation of a human X-derived minichromosome using telomere-associated chromosome fragmentation", <i>EMBO J.</i> 14:5444-5454, (1995).
	FV	Farr, Mammalian telomeres and chromosome fragmentation, <i>Cell Devtl. Biol.</i> 7: 41-48 (1996)
	FW	Farrel, <i>et al.</i> , "p53 is frequently mutated in Burkitt's lymphoma cell lines", <i>EMBO J.</i> 10:2879-2887, (1991).
	FX	Fátyol, <i>et al.</i> , "Cloning and molecular characterization of a novel chromosome specific centromere sequence of Chinese hamster", <i>Nucl. Acids Res.</i> 22:3728-3736, (1994).
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	FZ	Fechheimer, <i>et al.</i> , "Transfection of mammalian cells with plasmid DNA by scrape loading and sonication loading", <i>Proc. Natl. Acad. Sci. USA</i> 84:8463-8467, (1987).
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	FILING DATE November 28, 2000	GROUP 1632

LIST OF PATENTS AND PUBLICATIONS FOR
APPLICANT'S INFORMATION DISCLOSURE
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dfu	GB	Ford and Fried, "Large inverted duplications are associated with gene amplification", <i>Cell</i> 45:425-430, (1986).
	GC	Fournier, "A general high-efficiency procedure for production of microcell hybrids", <i>Proc. Natl. Acad. Sci. USA</i> 78:6349-6353, (1981).
	GD	Fowler, <i>et al.</i> , "Donor lymphoid cells of th2 cytokine phenotype reduce lethal graft versus host disease and facilitates fully allogeneic cell transfers in sublethally irradiated mice", <i>Advances in Bone Marrow Purging and Processing: Fourth International Symposium</i> , p. 533-540, (1994).
	GE	Frasier, <i>et al.</i> , "Efficient incorporation of transfected blastodermal cells into chimeric chicken embryos", <i>Int. J. Dev. Biol.</i> 37:381-385, (1993).
	GF	French, <i>et al.</i> , "Construction of a retroviral vector incorporating mouse VL30 retrotransposon-derived, transcriptional regulatory sequences", <i>Anal. Biochem.</i> 228:354-355, (1995).
	GG	Frohman and Martin, "Cut, paste, and save: new Approaches to altering specific genes in mice", <i>Cell</i> 56:145-147, (1989).
	GH	Fromm, <i>et al.</i> , "Expression of genes transferred into monocot and dicot plant cells by electroporation", <i>Proc. Natl. Acad. Sci. USA</i> 82:5824-5828, (1985).
	GI	Fu <i>et al.</i> , Molecular cytogenetic study of an extra small chromosome, (CHINA), <i>Medline Abstract:93103732</i> 19(4):294-297 (1992).
	GJ	Garside <i>et al.</i> , A method for karyotyping mouse blastocyst embryos developing from in vivo and in vitro fertilized eggs, <i>Experientia</i> 41:1183-1184 (1985).
	GK	Gaub, <i>et al.</i> , "The chicken ovalbumin promoter is under negative control which is relieved by steroid hormones", <i>The EMBO Journal</i> , 6:(8)2313-2320, (1987).
	GL	Gillespie, <i>et al.</i> , "Tissue-specific expression of human CD4 in transgenic mice", <i>Mol. Cell. Biol.</i> 13:2952-2958, (1993).
	GM	Gluzman, "SV40-transformed simian cells support the replication of early SV40 mutants", <i>Cell</i> 23:175-182, (1981).
	GN	Gogel, <i>et al.</i> , Mapping of replication initiation sites in the mouse ribosomal gene cluster, <i>Chromosoma</i> , 104:511-518, 1996
**	GO	Gonzales and Schmickel, The human 18S ribosomal RNA gene: Evolution and stability, <i>Am. J. Hum. Genet.</i> 38:419-427 (1986)
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EXAMINER

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May 25, 2001

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	APPLICANT Hadlaczky, <i>et al.</i>	
	FILING DATE November 28, 2000	GROUP 1632

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

fu	GQ	Gonzalez and Sylvester, Complete sequence of the 43-kb human ribosomal DNA repeat: Analysis of the intergenic space, <u>Genomics</u> , 27:320-328, 1985
	GR	Goodfellow, <i>et al.</i> , "Techniques for mammalian genome transfer", in <i>Genome Analysis a Practical Approach</i> , K.E. Davies, ed., IRL Press, Oxford, Washington DC. pp.1-17, (1989).
**	GS	Gordon <i>et al.</i> , Production of Human Tissue Plasminogen Activator in Transgenic Mouse Milk, <u>Bio/Technology</u> 5:1183-1187 (1987).
**	GT	Gordon <i>et al.</i> , Genetic transformation of mouse embryos by microinjection of purified DNA, <u>Proc. Natl. Acad. Sci. USA</u> 77(12):7380-7384 (1980).
	GU	Gout, <i>et al.</i> , Prolactin-stimulated growth of cell cultures established from malignant Nb rat lymphomas, <u>Cancer Res.</u> , 40:2433-2436, 1980
	GV	Graham and van der Eb, "A new technique for the assay of infectivity of human adenovirus 5 DNA", <u>Virology</u> 52:456-457, (1973).
	GW	Gravholt and Friedrich, Molecular cytogenetic study of supernumerary marker chromosomes in an unselected group of children, <u>Am. J. Med. Gen.</u> , 56:106-111, 1995
**	GX	Gray <i>et al.</i> , Chromosome measurement and sorting by flow systems, <u>Proc. Nat. Acad. Sci.</u> 72:1231-1234 (1975)
	GY	Green, <i>et al.</i> , "Chromosomal region of the cystic fibrosis gene in yeast artificial chromosomes: A model for human genome mapping", <u>Science</u> 250:94-98, (1990).
	GZ	Grierson, <i>et al.</i> <u>Plant Molecular Biology</u> , 2d Ed., Blackie, London, Ch. 7-9, (1988).
	HA	Gritz, <i>et al.</i> , "Plasmid-encoded hygromycin B resistance: the sequence of hygromycin B phosphotransferase gene and its expression in <i>Escherichia coli</i> and <i>Saccharomyces cerevisiae</i> ", <u>Gene</u> 25:179-188, (1983).
	HB	Gunning, <i>et al.</i> , "A human β -actin expression vector system directs high-level accumulation of antisense transcripts", <u>Proc. Natl. Acad. Sci. USA</u> 84:4831-4835, (1987).
	HC	Haaf <i>et al.</i> , Integration of Human α -Satellite DNA into Simian Chromosomes: Centromere Protein Binding and Disruption of Normal Chromosome Segregation, <u>Cell</u> 70:681-696 (1992).
	HD	Haas and Dowding, Aminoglycoside-modifying enzymes, <u>Meth. Enzymol.</u> , 43:611-628, 1975
V	HE	Haase, <i>et al.</i> , "Transcription inhibits the replication of autonomously replicating plasmids in human cells", <u>Mol. Cell. Biol.</u> 14:2516-2524, (1994).

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	APPLICANT Hadlaczký, <i>et al.</i>	
	FILING DATE November 28, 2000	GROUP 1632

LIST OF PATENTS AND PUBLICATIONS FOR
APPLICANT'S INFORMATION DISCLOSURE
STATEMENT

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	HG	Hadlaczký, "Structure of metaphase chromosomes of plants", <i>Internatl. Rev. Cytol.</i> 94:57-76, (1985).
	HH	Hadlaczký, <i>et al.</i> , "Structure of isolated protein-depleted chromosomes of plants", <i>Chromosoma</i> 86:643-659, (1982).
	HI	Hadlaczký, <i>et al.</i> , "Protein depleted chromosomes", <i>Chromosoma</i> 81:537-555, (1981).
	HJ	Hadlaczký, <i>et al.</i> , "Centromere formation in mouse cells cotransformed with human DNA and a dominant marker gene", <i>Proc. Natl. Acad. Sci. USA</i> 88:8106-8110, (1991).
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	HN	Hall, <i>et al.</i> , "Expression and regulation of <i>Escherichia coli lacZ</i> gene fusions in mammalian cells", <i>J. Mol. Appl. Gen.</i> 2:101-109, (1983).
	HO	Handeli, <i>et al.</i> , "Mapping replication units in animal cells", <i>Cell</i> 57:909-920, (1989).
	HP	Hanna, <i>et al.</i> , "Specific expression of the human CD4 gene in mature CD4 ⁺ CD8 ⁺ and immature CD4 ⁺ CD8 ⁺ T cells and in macrophages of transgenic mice", <i>Mol. Cell. Biol.</i> 14:1084-1094, (1994).
	HQ	Harper, <i>et al.</i> , "Localization of single copy DNA sequences on G-banded human chromosomes by in situ hybridization", <i>Chromosoma</i> 83:431-439, (1981).
	HR	Harrington, <i>et al.</i> , Formation of <i>de novo</i> centromeres and construction of first-generation human artificial microchromosomes, <i>Nature Genetics</i> , 15:345-355, 1997
	HS	Haskell <i>et al.</i> , Efficient Production of Transgenic Cattle by Retroviral Infection of Early Embryos, <i>Molecular Reproduction and Development</i> 40:386-390 (1995).
	HT	Hassan, <i>et al.</i> , "Replication and transcription sites are colocalized in human cells", <i>J. Cell. Sci.</i> 107:425-434, (1994).

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LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	APPLICANT Hadlaczký, <i>et al.</i>	
	FILING DATE November 28, 2000	GROUP 1632

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<i>gh</i>	HU	Heller, <i>et al.</i> , Mini-chromosomes derived from the human Y chromosome by telomere directed chromosome breakage, <u>Proc. Natl. Acad. Sci. USA</u> , <u>93</u> :7125-7130, 1996
	HV	Henikoff <i>et al.</i> , Position-effect variegation after 60 years, <u>Trends in Genetics</u> <u>6</u> : 422-426 (1990).
**	HW	Hernandez <i>et al.</i> , Conserved features in the mode of replication of eukaryotic ribosomal RNA genes, <u>EMBO J.</u> <u>12</u> (4):1475-1485 (1993)
	HX	Higgins <i>et al.</i> , Organization of a repetitive human 1.8 kb KpnI sequence localized in the heterochromatin of chromosome 15, <u>Chromosoma</u> <u>93</u> :77-86 (1985).
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**	IA	Hogan, <i>et al.</i> , <u>Manipulating the Mouse Embryo: A Laboratory Manual</u> , Cold Spring Harbor Laboratory Press, Cold Spring Harbor, NY, pages 127 and 429 (1994).
	IB	Hogan, <i>et al.</i> , <u>Manipulating the Mouse Embryo: A Laboratory Manual</u> , Cold Spring Harbor Laboratory Press, Cold Spring Harbor, NY, pages 253-289 see, especially pages 255-264 and Appendix 3, (1994).
	IC	Hollo, <i>et al.</i> , "Evidence for a megareplicon covering megabases of centromere segments", <u>Chromosome Research</u> <u>4</u> :240-247 (1996)
	ID	Holmen, <i>et al.</i> , "Efficient Lipid-mediated transfection of DNA into Primary Rat Hepatocytes", <u>In Vitro Cell, Dev. Biol.</u> <u>30</u> :347-351, (1995).
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	IH	Huberman and Riggs, "On the mechanism of DNA replication in mammalian chromosomes", <u>J Mol Biol</u> <u>32</u> :327-341, (1968).
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	FILING DATE November 28, 2000	GROUP 1632

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* <i>gh</i>	IJ	Huxley, C. "Mammalian artificial chromosomes: a new tool for gene therapy", <i>Gene Therapy</i> , 1:7-12, (1994).
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	IL	Hyde, <i>et al.</i> , "Correction of the ion transport defect in cystic fibrosis transgenic mice by gene therapy", <i>Nature</i> 362: 250-255, (1993).
	IM	Hyrien, <i>et al.</i> , "The multicopy appearance of large inverted duplication and the sequence at the inversion joint suggest a new model for gene amplification", <i>EMBO J</i> 7:407-417, (1988).
	IN	Ijdo <i>et al.</i> , Improved telomere detection using a telomere repeat probe (TTAGGG) _n generated by PCR, <i>Nucleic Acids Research</i> 19(17):4780 (1991).
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	IP	Ish-Horowitz, <i>et al.</i> , "Rapid and efficient cosmid cloning", <i>Nucleic Acids Res.</i> 9:2989-2998, (1981).
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	IT	Johnson, <i>et al.</i> , Genetic mapping of variable length rDNA segments to centromeric regions of mouse Chromosomes 11, 12, 15, 16, and 18, <i>Mammalian Genome</i> , 4:49-52, 1993
	IU	Joy and Gopinathan, "Expression of microinjected foreign DNA in the silkworm", <i>Bombex mori</i> , <i>Current Science</i> 66:145-150, (1991).
	IV	Kalitsis <i>et al.</i> , A Chromosome 13-Specific Human Satellite I DNA Subfamily with Minor Presence on Chromosome 21: Further Studies on Robertsonian Translocations, <i>Genomics</i> 16:104-112 (1993).
X	IW	Kappel <i>et al.</i> , Regulating gene expression in transgenic animals, <i>Current Biology</i> , p. 548-553, (1992).

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[Signature]	IX	Keown, <i>et al.</i> , "Methods for introducing DNA into mammalian cells", <i>Meth. Enzymol.</i> 185:527-537, (1990).
	IY	Kerem, <i>et al.</i> , "Identification of the cystic fibrosis gene: genetic analysis", <i>Science</i> 245:1073-1080, (1989).
	IZ	Kereso <i>et al.</i> , <i>De novo</i> chromosome formations by large-scale amplification of the centromeric region of mouse chromosomes, <i>Chromosome Research</i> 4:226-239, (1996).
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	JB	Kitsberg, <i>et al.</i> , "Replication structure of the human b-globin gene domain", <i>Nature</i> 366:588-590, (1993).
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	JJ	Lambert, <i>et al.</i> , "Functional complementation of ataxia-telangiectasia group D (AT-D) cells by microcell-mediated chromosome transfer and mapping of the AT-D locus to the region 11q22-23", <i>Proc. Natl. Acad. Sci. USA</i> 88:5907-59, (1991).
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✓	JM	Lawrence, <i>et al.</i> , "Sensitive, high-resolution chromatin and chromosome mapping <i>in situ</i> : Presence and orientation of two closely integrated copies of EBV in a lymphoma line", <i>Cell</i> 52:51-61, (1988).

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	FILING DATE November 28, 2000	GROUP 1632

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JU	Lin <i>et al.</i> , Isolation and identification of a novel tandemly repeated DNA sequence in the centromeric region of human chromosome 8, <i>Chromosoma</i> 102: 333-339 (1993)
JV	Little, <i>et al.</i> , Intiation and termination of DNA replication in human rRNA genes, <i>Molec. and Cell. Biol.</i> , 13(10):6600-6613, 1993
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	APPLICANT Hadlaczky, <i>et al.</i>	
	FILING DATE November 28, 2000	GROUP 1632

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	KE	Ma, <i>et al.</i> , "Sister chromatid fusion initiates amplification of the dihydrofolate reductase gene in Chinese hamster cells", <i>Genes Develop.</i> 7:605-620, (1993).
	KF	Madan, <i>et al.</i> , "Fluorescence analysis of late DNA replication in mouse metaphase chromosomes using BUdR and 33258 Hoechst", <i>Exp. Cell Res.</i> 99:438-444, (1976).
	KG	Maden, <i>et al.</i> , Clones of human ribosomal DNA containing the complete 18 S-rRNA and 28 S-rRNA genes, <i>J. Biochem.</i> , 246:519-527, 1987
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	KI	Maniatis, <i>et al.</i> , "The isolation of structural genes from libraries of eucaryotic DNA", <i>Cell</i> 15:687-701, (1978).
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	KO	McGill, <i>et al.</i> , "ACM8, a human sequence with putative centromeric function, does not map to the centromere but is present in one or two copies at 9qter", <i>Hum. Mol. Gen.</i> 1(9):749-751.
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	FILING DATE November 28, 2000	GROUP 1632

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	KS	Mendelsohn, <i>et al.</i> , Separation of isolated chinese hamster metaphase chromosomes into three size-groups, <i>J. Mol. Biol.</i> , 32:101-112, 1968
	KT	Meyne <i>et al.</i> , Chromosome localization and orientation of the simple sequence repeat of human satellite I DNA, <i>Chromosoma</i> 103:99-103 (1994).
	KU	Meyne, <i>et al.</i> , "Distribution of non-telomeric sites of the (TTAGGG) _n telomeric sequence in vertebrate chromosomes", <i>Chromosoma</i> 99:3-10, (1990).
	KV	Miesfeld and Arnheim, Identification of the <i>in vivo</i> and <i>in vitro</i> origin of transcription in human rDNA, <i>Nucleic Acid Res.</i> , Vol. 10, No. 13, 1982
	KW	Miller, in <i>Experiments in Molecular Genetics</i> , Cold Spring Harbor Press, pp. 352-355, (1972).
	KX	Miller, "Is the centromeric heterochromatin of <i>Mus musculus</i> late replicating?" <i>Chromosoma</i> 55:165-170, (1976).
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	KZ	Mitani, <i>et al.</i> , "Delivering therapeutic genes - matching approach and application", <i>Trends Biotech.</i> 11:162-166, (1993).
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	LD	Mulligan, "The basic science of gene therapy", <i>Science</i> 260:926-932, (1993).
**	LE	Mullins <i>et al.</i> , Perspective Series: Molecular Medicine in Genetically Engineered Animals, <i>Transgenesis in Nonmarine Species</i> 98(11):S37-S40 (1996).
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	FILING DATE November 28, 2000	GROUP 1632

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	LI	Naider, <i>et al.</i> , Reversible alkylation of a methionyl residue near the active site of B-Galactosidase, <i>Biochemistry</i> , 11(17):3202-3210, 1972
**	LJ	Nazar <i>et al.</i> , Sequence homologies in mammalian 5.8S ribosomal RNA, <i>Biochem.</i> 15(3):505-508 (1976)
	LK	Nikolaev, <i>et al.</i> , "Microinjection of recombinant DNA into early embryos of the mulberry silkworm <i>Bombyx mori</i> ," <i>Mol. Biol. (Moscow)</i> 23:1177-87, (1989).
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	LM	Ohnuki, Cytology: Demonstration of the spiral structure of human chromosomes, 208:916-917, 1965
	LN	Ohnuki, Structure of chromosomes, <i>Chromosoma</i> (Berl), 25:402-428, 1968
**	LO	Orkin, S.H., Report and Recommendations of the Panel to Assess the NIH Investment in Research of Gene Therapy, December 7, 1995 pgs. 1-45. Available online at: http://www.nih.gov/news/panelrep.html
	LP	Osborne, <i>et al.</i> , "A mutation in the second nucleotide binding fold of the cystic fibrosis gene", <i>Am. J. Hum. Genetics</i> 48:608-612, (1991).
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	FILING DATE November 28, 2000	GROUP 1632

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DR. GEORGIA HELMEP

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FORM PTO-1449 (Modified)	ATTY. DOCKET NO. 24601-402F	SERIAL NO. 09/724,872
	APPLICANT Hadlaczkzy, <i>et al.</i>	
	FILING DATE November 28, 2000	GROUP 1632

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STATEMENT

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**	ML	Riego <i>et al.</i> , Production of Transgenic Mice and Rabbits that Carry and Express the Human Tissue Plasminogen Activator cDNA under the Control of a Bovine Alpha S1 Casein Promoter, <i>Theriogenology</i> 39:1173-1185 (1993).
	MM	Riordan, <i>et al.</i> , "Identification of the cystic fibrosis gene: cloning and characterization of complementary DNA", <i>Science</i> 245:1066-1072, (1989).
	MN	Roberts <i>et al.</i> , Ribosomal RNA Gene Amplification: A Selective Advantage in Tissue Culture, <i>Cancer Genet Cytogenet</i> 29:119-127 (1987).
	MO	Rogers, <i>et al.</i> , "[26] Gene transfer in plants: Production of transformed plants using Ti plasmid vectors", <i>Methods for Plant Molecular Biology</i> , Weissbach <i>et al.</i> , eds., Academic Press, N.Y., Section VIII, pp. 423-436, (1988).
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	MQ	Rosenfeld, <i>et al.</i> , "In vivo transfer of the human cystic fibrosis transmembrane conductance regulator gene to the airway epithelium", <i>Cell</i> 68:143-155, (1992).
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	MS	Roth, <i>et al.</i> , "Artifizielle chromosomen", <i>Natur Wissenschaften</i> 74:78-85, (1987).
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	MW	Sambrook, <i>et al.</i> , <i>Molecular Cloning: A Laboratory Manual, Volume 1</i> . 2d Ed., Cold Spring Harbor Laboratory Press., Section 2.18, (1989).
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	MY	Sanford, <i>et al.</i> , "General Protocol for Microcell-Mediated Chromosome Transfer", <i>Somatic Cell and Molecular Genetics</i> , 13:(3)279-284, (1987).

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	APPLICANT Hadlaczky, <i>et al.</i>	
	FILING DATE November 28, 2000	GROUP 1632
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT		

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	NA	Sanger, <i>et al.</i> , "Cloning in single-stranded bacteriophage as an aid to rapid DNA sequencing", <i>J. Mol. Biol.</i> 143:161-178, (1980).
	NB	Sart <i>et al.</i> , A functional neo-centromere formed through activation of a latent human centromere and consisting of non-alpha-satellite DNA, <i>Nature Genetic</i> 16:144-152 (1997).
	NC	Saxon, <i>et al.</i> , "Selective transfer of individual human chromosomes to recipient cells", <i>Mol. Cell. Biol.</i> 1:140-146, (1985).
	ND	Schedl, <i>et al.</i> , "A method for the generation of YAC transgenic mice by pronuclear microinjection", <i>Nuc. Acids Res.</i> 21:4783-4787, (1993).
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**	NF	Seamark, Progress and emerging problems in livestock transgenesis: a summary perspective, <i>Reprod. Fertil. Dev.</i> , 6:653-657 (1994)
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	NI	Sher, <i>et al.</i> , "Role of T-Cell derived cytokines in the downregulation of immune responses in parasitic and retroviral infection", <i>Immunological Reviews</i> (127)183-204, (?)
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	APPLICANT Hadlaczky, <i>et al.</i>	
	FILING DATE November 28, 2000	GROUP 1632

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	NU	Strojek <i>et al.</i> The use of transgenic animal techniques for livestock improvement, <u>Genetic Engineering: Principles and Methods</u> 10:221-246, (1988).
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**	NW	Stubblefield and Pershouse, Direct formation of microcells from mitotic cells for use in chromosome transfer, <u>Somatic Cell & Molec. Genet.</u> 18:485-491 (1992)
	NX	Sugden, <i>et al.</i> , "A vector that replicates as a plasmid and can be efficiently selected in B-lymphoblast transformed by Epstein-Barr virus", <u>Mol. Cell. Biol.</u> 5:410-413, (1985).
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	FILING DATE November 28, 2000	GROUP 1632

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	OE	Tamura, <i>et al.</i> , "Microinjection of DNA into early embryo of <i>Bombyx mori</i> ", <i>Bio Ind.</i> 8:26-31, (1991), (Chemical Abstracts # 114(21)200502z)
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	FILING DATE November 28, 2000	GROUP 1632

LIST OF PATENTS AND PUBLICATIONS FOR
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STATEMENT

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OU	Van den Engh, <i>et al.</i> , Preparation of chromosomes suspensions for flow cytometry, <u>Cytometry</u> , 5:108-117, 1984
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**	PC Wall <i>et al.</i> , Transgenic Dairy Cattle: Genetic Engineering on a Large Scale, <u>J. Dairy Sci.</u> 80(9):2213-2224 (1997).
**	PD Wall <i>et al.</i> , High-level synthesis of a heterologous milk protein in the mammary glands of transgenic swine, <u>Proc. Natl. Acad. Sci. USA</u> 88:1696-1700 (1991).
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	FILING DATE November 28, 2000	GROUP 1632

LIST OF PATENTS AND PUBLICATIONS FOR
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* *	PI	Warburton, P.E., Making CENS of Mammalian Artificial Chromosomes, <i>Molecular Genetics and Metabolism</i> 68:152-160 (1999).
	PJ	Waring, <i>et al.</i> , "Nucleotide sequence repetition: A rapidly reassociating fraction of mouse DNA", <i>Science</i> 154:791-794, (1966).
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	PL	Weinberg, "Tumor suppressor genes", <i>Science</i> 254:1138-1146, (1991).
* *	PM	Wells <i>et al.</i> , Production of Cloned Lambs from an Established Embryonic Cell Line: A Comparison between In Vivo- and In Vitro-Matured Cytoplasts, <i>Biology of Reproduction</i> 57: 385-93 (1997).
	PN	White, <i>et al.</i> , "A frame-shift mutation in the cystic fibrosis gene", <i>Nature</i> 344:665-667, (1990).
	PO	Wigler, <i>et al.</i> , "DNA-mediated transfer of the adenine phosphoribosyltransferase locus into mammalian cells", <i>Proc. Natl. Acad. Sci. USA</i> 76:1373-1376, (1979).
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	PQ	Willard and Waye, "Hierarchical order in chromosome specific human alpha satellite DNA", <i>Trends Genet.</i> 3:192-198, (1987).
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	PU	Worton <i>et al.</i> , Human Ribosomal RNA Genes: Orientation of the Tandem Array and Conservation of the 5' End, <i>Science</i> 239:64-68 (1988).
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	APPLICANT Hadlaczky, <i>et al.</i>	
	FILING DATE November 28, 2000	GROUP 1632

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	PX	Yates, <i>et al.</i> , "A <i>cis</i> -acting element from the Epstein-Barr viral genome that permits stable replication of recombinant plasmids in latently infected cells", <i>Proc. Natl. Acad. Sci. USA</i> 81:3806-3810, (1984).
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24601-402FSERIAL NO.
09/724,872LIST OF PATENTS AND PUBLICATIONS FOR
APPLICANT'S INFORMATION DISCLOSURE
STATEMENTAPPLICANT
HADLACZKY *et al.*FILING DATE
November 28, 2000GROUP
1632

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUB CLASS	FILING DATE
gh	A	4	7	3	6	8	6	6	04/12/88	Leder <i>et al.</i>	800	1	06/22/84
	B	4	8	0	1	5	4	0	01/31/89	Hiatt <i>et al.</i>	435	172.3	01/02/87
	C	5	7	2	1	3	6	7	02/24/98	Kay <i>et al.</i>	800	2	06/05/95

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUB CLASS	Translation	
gh	D	0	2	0	8	4	9	1	01/14/87	A2				
	E	0	2	4	7	4	9	4	12/02/87	A2				
	F	0	2	6	4	1	6	6	04/20/88	A1				
	G	0	2	7	9	5	8	2	08/24/88	A2				
	H	0	8	3	8	5	2	6	04/29/98	EPO				
	I	8	2	0	4	4	4	3	12/23/82	PCT				
	J	8	8	0	1	6	4	8	03/10/88	PCT				
	K	8	8	0	0	2	3	9	01/14/88	PCT				
	L	8	9	0	9	2	1	9	10/05/89	PCT				
	M	9	1	0	5	0	4	4	04/18/91	PCT				
	N	9	2	0	7	0	8	0	04/30/92	PCT				
	O	9	2	1	4	8	1	9	09/03/92	PCT				
	P	9	5	2	2	2	9	7	11/30/95	PCT				
gh	Q	9	8	0	8	9	6	4	03/05/98	PCT				

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ATTY. DOCKET NO.
24601-402FSERIAL NO.
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APPLICANT'S INFORMATION DISCLOSURE
STATEMENTAPPLICANT
HADLACZKY *et al.*FILING DATE
November 28, 2000GROUP
1632

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<i>fl</i>	S	DIALOG Abstract 007389041, citing: EP 0254 315
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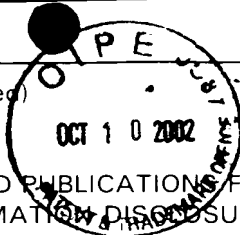
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U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	Translation

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

A	Certified English translation of the Chinese article: Fu <i>et al.</i> "A Molecular Cytogenetic Study of an Extra Small Chromosome", <i>Acta Genetica Sinica</i> 19(4): 294-297 (1992)
B	Fu <i>et al.</i> , Molecular cytogenetic study of an extra small chromosome, (CHINA), <i>Acta Genetica Sinica</i> 19(4):294-297 (1992).

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